

SCR500

- temperature range $-50 \div 200^{\circ}\text{C}$
- possibility of mounting a 4...20mA or 0...10V temperature transmitter
- stainless steel sheath with or without perforation, small diameter
- connection via terminal connector strip
- IP 65 protection degree



Resistance thermometers SCR500 are designed for ambient temperature measurement. There is a possibility of assembling a programmable temperature transmitter with a 4...20mA output signal into the housing. The protection tube with perforation allows for quick and precise temperature measurement, thanks to direct contact of thermometric resistor with ambient temperature.

Application areas

- ambient temperature measurement in rooms and outside,
- warehouses and cold stores,
- offices,
- air-conditioning and ventilation installations.

TECHNICAL DATA

Sensing element	Pt100, Pt500, Pt1000 (2-, 3- or 4-wire)
Measuring range	$-50 \div 200^{\circ}\text{C}$
Case measuring range	$-20 \div 80^{\circ}\text{C}$ (ABS); $-40 \div 80^{\circ}\text{C}$ (aluminum); $-40 \div 120^{\circ}\text{C}$ (polycarbonate)
Class	A or B
Thermowell	4 x 30, with or without perforation, stainless steel 1.4541
Case dimensions (WxHxD)	64 x 58 x 35 mm (ABS, aluminum or polycarbonate) 82 x 80 x 55 mm (sensor with transmitter 4...20mA or 0...10V)



ORDERING

SCR500-X-X-X-X-X-X-X-X-X-X

<u>temperature sensor:</u>	1: single	2: double	PP: with transmitter	<u>output signal and temperature transmitter settings:</u>	please specify
<u>sensing element:</u>	Pt 100	Pt 500	Pt 1000	<u>sheath type:</u>	Z: without perforation
	other, please specify			<u>measuring circuit:</u>	2: 2-wire
<u>sheath diameter (ØD):</u>	4 mm	5 mm	6 mm	<u>accuracy class:</u>	A
	other, please specify			<u>process connection</u>	M10x1
<u>sheath length (L):</u>	100 mm (standard)	other, please specify			M20x1,5
<u>case material:</u>	PW: polycarbonate	ABS: ABS	AL: aluminum		G1/2"
					other, please specify
				<u>sensor mounting:</u>	BG: without process connection
					UG: with process connection

Ordering example:

SCR500-PP-Pt100-4-100-PW-UG-M10x1-B-2-Z-(0-80)
RTD temperature sensor with transmitter, 1xPt100, B tolerance class, 2-wire, polycarbonate case. Sheath without perforation, diameter 4 mm and length 100 mm, sensor mounting with process connection M10x1. Temperature range 0-80°C

